Fungicidal mixtures, comprising as active components

a morpholine or piperidine derivative I selected from the a) group of the compounds Ia, Ib, Ic and Id

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$$(H_3C)_3C$$
 CH_2 CH_2 CH_3 CH_3 CH_3 CH_3

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$$(H_3C)_3C \longrightarrow CH_2-CH(CH_3)-CH_2-N$$
 (Ib)

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$$H_3C-(C_nH_{2n})-N = 0$$

$$CH_3$$

$$CH_3$$

[n=10,11,12 (60 - 70%) or 13]

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and

compounds of the formula II b)

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$$X^{2}$$

$$X^{3}$$

$$X^{5}$$

$$H$$

$$R^{3}$$

$$R^{4}$$

$$R^{2}$$

$$R^{2}$$

$$R^{2}$$

$$R^{2}$$

$$R^{3}$$

45

22 where the substituents X1 to X5 and R1 to R4 ar as defined below:

is C1-C4-haloalkyl, C1-C4-haloalkoxy or halogen; X^1

5 X2 to X5 are, independently of one another, hydrogen, halogen, C₁-C₄-alkyl, C₁-C₄-haloalkyl, C₁-C₄-alkoxy or C₁-C₄-haloalkoxy;

2. 19/11/05 is C_1-C_4 -alkyl, C_2-C_6 -alkenyl, C_2-C_6 -alkynyl, R^1 $C_1-C_4-alkyl-C_3-C_7-cycloalkyl$, $C_1-e_4-alkyl-C_3-C_7-cycloalkenyl$, 10 where these radicals may carry substituents selected from the group consisting of halogen/cyano and C1-C4-alkoxy,

is a phenyl radical or a 5- or 6-membered saturated or · R² unsaturated heterocygiyl radical having at least one 15 heteroatom selected from the group consisting of N, O and S, where the cyclic radicals may have one to three substituents. selected from the group consisting of halogen, C1-C4-alkyl, C_1-C_4 -alkoxy, C_1-C_4 -haloalkyl, C_1-C_4 -haloalkoxy, $C_1-C_4-alk xy-C_2-C_4-alkenyl$, $C_1-C_4-alkoxy-C_2-C_4-alkynyl$, 20

R3 and R4 are, independently of one another, hydrogen, $C_1-C_4-alkyl$, $C_1-C_4-alkoxy$, $C_1-C_4-alkylthio$, $N-C_1-C_4$ -alkylamino, C_1-C_4 -haloalkyl or C_1-C_4 -haloalkoxy

in a synergistically effective amount are described.

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